

**Subject:** IP 0005/20 – Application for the renewal and variation of IP004/12/B to operate a waste recycling facility for end-of-life vehicles and metal processing (including shredding / crushing / bailing) submitted by - Gasparell Baling Co. Ltd.

**Date:** 6<sup>th</sup> December 2023

**To:** ERA Board

**From:** Regulatory Affairs Directorate

**1. Background**

This report has been prepared for the determination of IP 0005/20, covering the renewal and variation of the current IPPC permit for Gasparell Baling Co. Ltd.

The variation relates to the use of a cable stripper and processing of the cables. The renewal also tackles the updates to the permit in relation to the BAT on waste treatment, updates in relation to medium combustion plants on site, some changes to the list of incoming and outgoing waste and amendments to the noise monitoring points and frequency.

A request for variation for the inclusion of wire stripping equipment was submitted on 30<sup>th</sup> November 2020 (IP 0005/20) and a request for renewal (including the renewal of the medium combustion plant on site) was submitted on 19<sup>th</sup> May 2022 and 10<sup>th</sup> June 2022. The applications are being considered as a consolidated application with reference IP 0005/20.

The current permit was granted on 4 January 2019 for a period of four (4) years. Two subsequent permit validity extensions were granted in December 2022 and June 2023.

**2. Case Officer Report**

**2.1 Permitted activities**

Activity listed in Schedule 1 of the Industrial Emissions (IPPC)	Description of specified operation	Limits of specified operation
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Regulations / Associated Activity		
<p>Sections 5.3(b)(iv) and 5.5:</p> <p>Recovery, or a mix of recovery and disposal, of non-hazardous waste with a capacity exceeding 75 tonnes per day involving one or more of the following activities, and excluding activities covered by the Urban Waste Water Treatment Regulations (S.L. 549.22):</p> <p>(iv) Treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles and their components.</p> <p>Temporary storage of hazardous waste not covered under point 5.4 pending any of the activities listed in points 5.1, 5.2, 5.4 and 5.6 with a total capacity exceeding 50 tonnes, excluding temporary storage, pending collection, on the site where the waste is generated.</p>	<p>Receipt and processing of Internal Combustion Engine (ICE) ELVs and related sorting, management and storage of separated components.</p> <p>Receipt and processing of End-of-Life Vehicles and related sorting, management and storage of separated components subject to a Method Statement approved by the Authority (<b>IP 0005/20/DOC1</b>)</p>	<p>From receipt of ICE ELVs according to Schedule 3 to dispatch of separated components to authorised facilities either locally or abroad.</p>
<p>Storage and stripping of wires</p>	<p>Processing of cables/wires</p> <p>Utilisation of wire stripping equipment</p>	<p>From receipt of wire/cables to processing to authorised waste facility.</p>

Storage and processing of clean scrap metal	Operation of a shredder to process metal	From receipt of waste metals according to Schedule 3 to dispatch of end product for authorised use or to authorised waste facility
Storage of waste tyres, batteries and bumpers	Storage of waste tyres in designated areas for a period of up to (but not exceeding) 12 months	From receipt of specified waste streams according to Schedule 3 to dispatch of end product to authorised facilities for recovery/recycling either locally or abroad.
Fuel storage and refuelling of the company's heavy plant trucks and equipment	Storage and refuelling of heavy plant equipment, own private vehicles, standby generator and shredder  Storage and dispensing of fuel as received from ELVs	From extraction of fuel (diesel and petrol) from the depollution process or receipt of fuel from suppliers authorised by the Regulator for Energy and Water Services (REWS) to refuelling of the company's heavy plant equipment, standby generator and shredder.
Associated activity of general maintenance and repairs	Maintenance and repair/s on equipment and/or vehicles within the installation.	From maintenance/repair, activity to appropriate recovery/disposal of any waste generated on site-
Associated activity utilities	Equipment on site: <ul style="list-style-type: none"> <li>• Shredder</li> <li>• Electric Bailing Equipment</li> <li>• Mobile Bailer</li> <li>• Fixed Bailer</li> <li>• Compactor</li> <li>• Scrap Shear</li> </ul> Use of standby generator	From receipt to dispatch of processed metals to an authorised waste facility either locally or abroad.  From generation of energy to delivery of utility.

## Proposed Emissions and Mitigation

Emission Point Reference	Source	Parameter	Emission Limit Values
1	Shredder plant diesel engine stack	Carbon Monoxide	-
		Oxides of Nitrogen	1850 mg/Nm <sup>3</sup>
2	Five excavators (diesel engines) stacks [mobile plants]	N/A	N/A
3	Baling machine [fixed plant]		
4	Baling machine [mobile plant]		
5	Standby generator	Carbon Monoxide	-
		Oxides of Nitrogen	250 mg/Nm <sup>3</sup>

### 2.2 Supporting documents recommended for approval

- Documents:
  - IP 0005/20 permit
  - Approved Document: IP 0005/20/DOC1 - Method statement for shredding end of life vehicles
  - Approved Document: IP 0005/20/DOC2 - Site layout (present)
  - Approved Document: IP 0005/20/DOC3 - Site layout (with extension)
  - Approved Document: IP 0005/20/DOC4 - Variation noise monitoring updated 2023
  - Approved Document: IP 0005/20/DOC5 - Waste Management Plan updated 2023
  - Approved Document: IP 0005/20/DOC6 - SOP Radioactivity Gasparell Baling Plant
  - Approved Document: IP 0005/20/DOC7 - Deflagration Management Plan

### Applicable law/ policy

Gasparell Baling Co. Ltd. carries out two main activities which fall within scope of the Industrial Emissions (Integrated Pollution Prevention and Control) Regulations, in particular Activity 5.3(b)(iv) and 5.5 under Schedule 1 of S.L. 549.77:

*“Recovery, or a mix of recovery and disposal, of non-hazardous waste with a capacity exceeding 75 tonnes per day involving treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles and their components.”*

*“Temporary storage of hazardous waste exceeding a total capacity of 50 tonnes.”*

The proposal is to comply with:

- Environment Protection Act (CAP. 549);

- Industrial Emissions (Framework) Regulations ( S.L.549.76)
- Industrial Emissions (Integrated Pollution Prevention and Control) Regulations (S.L.549.77)
- Best Available Techniques (BAT) specified in the Waste Treatment Industries
- The Waste Regulations (S.L.549.63)
- Waste Management (End of life Vehicles) Regulations (S.L. 549.36)
- Best available techniques (BAT) specified in the BREF for waste treatment (published in October 2018)
- Limitation of Emissions of Certain Pollutants into the air from Medium Combustion Plants Regulations (S.L. 549.122)

### 2.3 Site Description and Constraints

The facility is located at the edge of the Hal Far Industrial Estate which is managed by INDIS Malta Ltd. The area is characterised by cultivated/abandoned agricultural land, residential units as well as other industrial units within proximity. It is further noted that the site lies outside the limits of the Water Protection Zone. The installation lies between the two valley catchments of Wied il-Buni and il-Wied tal-Klima.

### 2.4 Site History

The following application history is noted on site:

Number	Title	Date of Issue
IP 0004/12/A	New IPPC permit	22 <sup>nd</sup> October 2013
IP 0004/12/A	Extension of validity of the permit	13 <sup>th</sup> October 2017
IP 0004/12/A	Extension of validity of the permit	13 <sup>th</sup> April 2018
IP 0004/12/B	Renewal and variation of IP 0004/12/A	4 <sup>th</sup> January 2019
IP 0004/12/B	Extension of validity of the permit	2 <sup>nd</sup> December 2022
IP 0004/12/B	Extension of validity of the permit	16 <sup>th</sup> June 2023
IP 0005/20	Renewal and variation of IP 0004/12/B	Being processed
PA 3315/03	Outline development application for industrial development.	Withdrawn by Planning Directorate on the 14 <sup>th</sup> February 2011)
PA 2453/10	To remove existing rubble dumped on site and construction of baling plant and related facilities which are: End of Life Vehicles (ELVs) & Waste Electrical and Electronic Equipment (WEEE), storage for brass, aluminum & copper, office block, shredding & baling machines and storage for light & heavy scrap.	8 <sup>th</sup> August 2013
PA 3240/15	To sanction extension to existing baling plant, to include additional area	30 <sup>th</sup> November 2017

	for scrap mounds (in view of height limitation imposed on mounds), shifting of baling machine and relocation of HGVs parking to accommodate better circulation. Proposal includes also removal of fuel pump approved in PA 2453/10.	
DN 01546/14	Proposed extension to development approved by PA 2453/10.	Refused

## 2.6 Consultations

### 2.6.1 Intra-ERA Feedback

On compliance and enforcement aspects and it was indicated that the last inspection took place in October 2023 during which the site was in a good state of compliance, with some minor issues related to clear waste segregation and waste labelling. On the improvement programme only IP items 14 and 16 remain to be submitted and/or implemented. It was also indicated that correction in the emission limit value quoted for NOx is required, as indicated in the air emission report received for the shredder diesel engine. Complaints were recently received on metal parts being ejected from the shredder and damaging third party property. The operator replied that the shredder will be enclosed as per applicable development permits.

There were no issues from an environmental assessment, biodiversity & water and a trans-frontier shipment.

It was also requested that for the purposes of the air emission inventory a description of the equipment utilised with regards to type of technology and the annual consumption of fuel per piece of equipment is included within the annual environment report (AER). The AER template has been revised to accommodate the request.

On the noise management plan, it was recommended that the 3 sampling locations (down from 7) are to coincide with the noise monitoring report submitted in 2022. In this report the consultant argues that some of the proposed monitoring points are not representative of any sensitivity or location of possible complaint vis-à-vis the site since they are located along the Hal Far Bypass and indeed it proposes three revised monitoring points for future noise studies. The directorate is in agreement with the recommended approach to revise the three monitoring locations, as these would assess any direct impact on local residents across the valley located behind Gasparell site. Additionally it is recommended that the terms of reference for noise monitoring (Schedule 4) are updated. The proposed permit includes an updated Schedule 4 and the noise monitoring proposal as an approved document IP0005/20/DOC4. There were no objection to decreasing the monitoring frequency from annual to every three years.

On the waste management plan, the applicant submitted a number of clarifications and amendments. The waste management plan is being recommended for inclusion as an approved document IP 0005/20/DOC5.

## **2.6.2 External consultation**

The **Environmental Health Directorate** provided general comments on the application, which are already catered for through the permit, in view that identical feedback was already provided as part of the IP 0004/12/B application in 2017. Additionally it was also commented that in the event of reusing second class water it must be treated with a biocide such as chlorine to prevent Legionnaire's diseases. Said water cannot be used for human consumption, including any wash hand basins and/or showers. Additionally reservoir-harvested rain water should not be used for human consumption and/or personal hygiene. Reservoir overflow should be directly discharged onto the street after it has passed from the oil/ water separator. Conditions stipulating such have been included in the permit.

The **Energy & Water Agency, Malta Resources Authority (MRA), Transport Malta** and the **Planning Authority** provided no feedback.

The **Occupational Health & Safety Authority (OHSA)** provided an updated list of health & safety requirements, which are being recommended for inclusion in the permit.

The **Water Services Corporation (WSC)** mentioned that currently the facility is covered by a valid sewer discharge permit, however, following an inspection held in 2021, it transpired that there is the need for an update of their permit conditions, i.e. from a domestic discharge to a trade effluent discharge due to the oil interceptor effluent being used as second class water for flushing. WSC stated that they have no objection to the application. The WSC, initially also provided limits for inclusion for a number of parameters. Following further discussions with the operator and the WSC it was clarified that the effluent from the oil-water interceptor is not being discharged to sewer. The conditions have been reflected to update the requirements with WSC requirements.

The **Civil Protection Department (CPD)** noted that the same fire safety conditions as those imposed back in 2012 as indicated in PA 2453/10 still stand and should be applied. The CPD also noted that it's imperative that the water reservoir is always kept full and have full fire brigade access. Additionally, if the fire safety sign is faded it should be replaced.

The CPD also commented that when batteries are removed from their respective vehicle they are stored on a spill proof pallet were multiple batteries are stored. A condition has been included in the proposed permit.

It was also remarked that in the event that the facility intends to handle electrical vehicles they should start planning for them due to the inherent fire hazard.

The Operator indicated that there is no intention to accept electrical vehicles. The proposed permit includes a condition prohibiting the acceptance of electric and hybrid vehicles. In the event that, the Operator wishes to start handling such waste a variation would be required.

The **Radiation Protection Board** commented that the Operator is to take note and ensure consistency between the 'deflagration Standard of Procedure' and the 'Measuring of radioactivity levels SOP'. In addition the SOP for the 'Measuring of radioactivity levels' needs to be amended to include a notification to the Radiation Protection Board should radioactive contamination be found. Such documentation has been amended and is being recommended as approved documents.

The **Regulatory for Energy and Water Services** notified the Authority that a number of fuel storages on site at Gasparell Baling Plant are not duly registered. In 2021/2022 REWS indicated that they have an objection to Gasparell's variation application in view that site is not in line with their requirements. To date the necessary authorisations from REWS have not been obtained. Nonetheless the REWS have lifted their objection and agreed for an improvement programme item to be included.

**2.6.3 Public consultation dates:** 20<sup>th</sup> May 2023 and 3<sup>rd</sup> June 2023  
Responses received: No representations received

## **2.7 Discussion**

The current IPPC permit was granted to Gasparell Baling Co. Ltd. on 2nd January 2019 for a period of four (4) years i.e. until 4th January 2023 and was extended until 4<sup>th</sup> January 2024.

The variation involves the operation of two wire-strippers and the associated EWC codes which were not factored in the permit. Such operations were already taking place on site and were mentioned in the original application documentation (IP 0004/12/A) in 2013 which were however not acknowledged in the permit. Two wire stripping machines (one for large cables and one for smaller sized ones) are installed in the designated Brass / Aluminium/ Copper store. Once processed the metal is baled and stored either in drums or in jumbo bags to be exported. The proposed permit acknowledges such equipment and the associated EWC waste codes.

Besides the aforementioned inclusion, cables were added as part of the incoming waste stream as well as other minor changes to waste codes to better reflect the incoming and outgoing waste streams on site.

As part of the application, updates were requested on the selected noise monitoring points and the frequency of monitoring. During the last five years Gasparell has undertaken a number of noise assessments in order to identify the sources of noise emissions from its operations which mainly dealt with the operation of the shredder, as part of the requirements of improvement programme 17 (of the current permit). The various noise monitoring studies have shown that the only place from where there were slight changes in the ambient noise levels which could be attributed to the operations of the plant was from the closest noise sensitive receptor which is a building belonging to the client, otherwise the noise levels at the Tal-Papa housing estate and other noise receptors are not attributable to the operations of the site. This was also confirmed in the latest noise monitoring report submitted in January 2023. The outcome from these assessments was the building of an enclosure around the shredder which was eventually found to be effective to attenuate the noise which was



generated. On a recent site visit it was remarked that that the construction of further panels is still underway, as proposed through a new improvement programme item no 25.

The proposal requests that the monitoring is carried out every three years at three receptors as opposed to seven sites (identified as being more suitable by the noise consultant). The directorate agrees with this approach. The permit proposes the removal of the operational noise assessment 2018 as an approved document since this is now superseded. Additionally, the noise monitoring proposal is being recommended as an approved document. Updates to align the conditions with the Best Available Techniques and an improvement programme item requesting the submission of an updated noise monitoring plan is being recommended.

In view that improvement programme item 17 (requested noise monitoring and noise reduction measures) was completed and noise complaints have ceased, the condition forfeiting €2000 in cases of non-compliance with improvement programme 17 and conditions on shredder usage is also being recommended for removal.

The proposal also includes update to the emission limit values for the medium combustion plant on site. Currently the permit imposes a limit of 200 mg/Nm<sup>3</sup> for NO<sub>x</sub>. By application of Table 3 for 'engines and gas turbines' for plants with a rated thermal input between 1 – 5MW<sup>th</sup> and noting that a limit of 1850 mg/Nm<sup>3</sup> for engines constructed before 18 May 2006. Evidence was provided that the shredder plant diesel engine stack was constructed in 1984. Furthermore, the standardised oxygen content will be revised from 3% to 15%. Testing was carried out in 2021, the results did not exceed the limits imposed by the legislation (result for NO<sub>x</sub> was 1843 mg/Nm<sup>3</sup>). The requirement of particulate matter and formaldehyde monitoring are being recommended for removal in view that from the monitoring results obtained were not significant.

One of the improvement programme items listed in IP 0004/12/B, required the permit holder to carry out an appraisal with the Commission implementing decision (EU) 2018/1147 of 10 August 2018 establishing BAT conclusions for waste treatment. A number of conditions have been updated to reflect the BAT requirements. The updated BAT conclusions will, in the most, part be implemented as part of the proposed operations and updated specific permit conditions which conditions that are being proposed in the variation notice to ensure adherence to BAT requirements. In cases where deviations from BAT have been indicated by the applicant, justifications for such deviations have been provided and other techniques which achieve the same level of treatment required by BAT techniques that achieve the same level of treatment required by BAT are being proposed. The deflagration management plan, which is BAT requirement in the case of mechanical treatment of waste, is being requested for inclusion as an approved document.

In terms of air emissions, no additional air monitoring is being recommended for inclusion in view that the emissions from the waste treatment equipment are not directed through a stack. Additionally the requirement for ambient air monitoring from PM<sub>10</sub> and Total Suspended Particulates which was requested as part of improvement programme item 18 is not being recommended for re-inclusion. From the monitoring carried it transpired that Gasparell Baling Co. Ltd. site do not contribute significant emission levels that could cause an elevation on the natural background levels, resulting in an exceedance of the applicable legal and guideline values.

Multiple rounds of statutory consultation for the application of variation and renewal of Gasparell Bailing Co. Ltd. permit (IP0004/12/B) carried out between 14<sup>th</sup> December 2020 – 7<sup>th</sup> January 2021 , 3<sup>rd</sup> March 2021 – 17<sup>th</sup> March 2021 , 21<sup>st</sup> May 2021 – 4<sup>th</sup> June 2021, 25<sup>th</sup> October 2021 – 8<sup>th</sup> November 2021 and 24<sup>th</sup> June 2022 – 8<sup>th</sup> July 2022.

Gasparell Bailing Co. Ltd. provided clarifications and supplementary documentation as requested by the various statutory consultees as mentioned above. Notwithstanding, the pending matters with the Regulator for Energy and Water Services (REWS) still remain. Improvement programme item 14, of the current permit required for the 'Facility to be 'notified' as per S.L. 545.22 Petroleum for the Inland (Retail) fuel market Regulations, the Permit Holder should use:

- a) For petrol – a tank not exceeding 300 liters as approved by a competent person, as described within the same regulations
- b) For diesel – the current tank present on site may be used, provided it is approved by a competent person.'

The requirement also stipulated that the Regulator for Energy and Water Services (REWS) approved competent person should present a technical report to REWS describing both tanks and how these fuels will be transferred safely to the company's shredder(s), excavators, shearers or any other non-mobile machinery without creating any impact on the environment. Various discussions have been held between REWS, the Permit Holder and the consultants engaged on the matter.

ERA officials visited the site 17<sup>th</sup> October 2023, whereby it was noted that the fuel storage tank have been removed from site. Instead the operator has resorted to store any remaining fuel from the ELV depollution in jerry cans tanks in the garage. The Operator indicated that such fuel is being reused on site. A refuelling contractor is also engaged. The Operator was instructed to have in place the appropriate bunding for such jerry cans as per permit conditions and regularise his position with REWS in accordance with Improvement Programme Item 14. Bund certification from a third party warranted engineer or architect showing calculations are to be submitted accordingly. In recent communication with REWS, the operator was informed that authorisation is still required for the shredder's two fuel tanks. The REWS agreed that an improvement programme item is to be included in the permit.

Prior to the 17<sup>th</sup> October 2023 site visit, another site visit was carried on the 20<sup>th</sup> December 2022, in which the operations on site were explained and documentation (such as weighbridge calibration certification, consignment notes) were made available. The Operator explained the various waste acceptance procedures in place. Currently, half the site has geotextile in place to provide containment and impermeability. In terms of the construction works related to PA 3240/15 it was stated that these have not been carried out yet. In terms of the hardstanding in the 'extension area' the Operator at the time remarked that this will be place in 2023. However, during the recent site visit, no indication of a definite timeframe by when this is to take place was provided. In this regard, a pre-operational condition has been set prohibiting the use of this part of the site until such time that the hardstanding is

implemented and associated certification is submitted to the Authority. Additionally, in addition to the site layout plan showing the inclusion of the extension (included as part of IP 0004/12/B) another site layout plan indicating the present site extension has been included.

During the inspection it was noted that there is a mobile bailer in use which operates on diesel. There is also supposed to be a second fixed bailer which is still yet to be installed (Bailing machine), and will be in the position indicated by the site layout plan included as an approved document. It was commented that the existing mobile baler is being used until the fixed one will be in place. Once that will start operating, the mobile baler will be scrapped or sold. A pre-operational has been included requesting further information prior to putting into operation the fixed bailer, as it may be within scope of the *'Limitation of Emissions of Certain Pollutants into the air from Medium Combustion Plants'* Regulations (S.L.549.122).

Additionally two generators were noted on site, one of which is not functional and another being utilised as a standby generator. Conditions and associated limits in line with S.L. 549.122 have been included. An improvement programme item consolidating the requirements of the medium combustion plants on site is proposed. Although preliminary data provided on the rated thermal input of the stand-by generator demonstrates that this is to be considered as medium combustion plant, the data is yet to be confirmed by an engineer and settlement of any associated fees is being recommended as a post-decision requirement.

The operator requested minor updates and clarifications on certain proposed conditions:

- Clarification that extracted fuel was only ever utilised for the shredder and not any other on-site equipment or vehicles.
- An updated site layout plan (Approved Document: IP 0005/20/DOC2 – site layout present) was provided indicating to what extent the hardstanding in the extension area has been carried out.
- It was recommended that the energy audit is to be carried out a lower frequency than on an annual basis. Following discussions with EWA, the Directorate agrees and the condition has been amended for submission every four years.
- With respect the water from the oil-water interceptor, the applicant clarified that it is used to douse and cool the shredder and not to be used in sanitary facilities. To this effect conditions prohibiting any trade effluent being discharged to sewer subject to the requirements of a Public Sewer Discharge Permit have been included in the permit.
- Requested clarifications on the bank guarantee mechanism and Recycling Efficiency Certificates for batteries.

A public consultation was held between 20<sup>th</sup> May 2023 and 3<sup>rd</sup> June 2023, in which no representation were received.

## 2.10 Financial Matters

<b>Application Fee</b>	<ul style="list-style-type: none"> <li>• €1500 variation fee – paid</li> <li>• €7,500 renewal fee – paid</li> <li>• €125 for renewal of one MCP (shredder) – paid</li> </ul>
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	<ul style="list-style-type: none"> <li>• €500 for new MCP (stand-by generator) – due subject to confirmation of Rated Thermal Input</li> </ul> <p><b>Total: €9,125 – settled, €500 - due</b></p>
<b>Financial guarantee</b>	€36,000 (previously €28,650)
<b>Annual Fee</b>	€1,500 (from €1000)

### **3 Environment Officer Recommendation:**

The Regulatory Affairs Directorate recommends the GRANTING of the Permit for a period of ten (10) years subject to the following conditions as post decision requirements:

- Submission of bank guarantee of €36,000
- Settlement of new Medium Combustion Plant application fee amounting to €500 subject to confirmation of Rated Thermal Input in accordance with S.L. 549.122.

The proposed permit conditions include:

- Standard conditions for this sector;
- Site-specific conditions:
  - No waste shall be deposited, stored, treated or otherwise handled in the area of the site covered by PA 3240/15 until the engineered site containment and drainage system for that area has been constructed and completed in accordance with this condition and condition 2.7.3.
  - The operational of the fixed bailing equipment PS3 indicated in approved document IP0005/20/DOC3 shall not be put into operation until the following is provided;
    - a) The specification sheet
    - b) Assessment whether within scope of S.L.549.122
    - c) A method statement for monitoring is submitted (as may be required)
  - Only end of life vehicles powered by an internal combustion engine shall be accepted on site. The acceptance of end of life electric and hybrid engines is prohibited.
  - All emissions to air from the shredding and crushing equipment shall be free from visible concentrations of dusts, fibres or particulates that are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality outside the Site boundary, as perceived by an authorised officer of the Authority. A water-misting system shall be deployed during shredding operations.

- Noise monitoring is to be carried out every three years to ensure that the above limits are not exceeded. Noise monitoring shall also be carried out upon commissioning of any new equipment which in the opinion of the Authority has the potential to significantly increase noise emissions from the installation. The Permit Holder shall submit to the Authority a method statement for carrying out a noise monitoring survey in line with the Terms of Reference provided in Schedule 4 and in accordance to Approved Document IP 0005/20/DOC5. Should there be any changes in the monitoring locations, the consultant or the measurement procedure, the method statement is to be approved by ERA prior to the initiation of the monitoring survey. Once the method statement is approved by the Authority, the noise monitoring survey shall be initiated.
- The total amount of waste that can be stored at any given time cannot extend beyond the site boundaries and their designated storage areas as outlined in site plan in Approved DOC IP0005/20/DOC5. The height of stockpiles shall not exceed those permitted by the development permit. The total amount of waste that can be stored at any given time cannot exceed the quantity indicated in Schedule 3.
- The input of material into the shredder shall be maintained stable and equalized by avoiding disruption or overload of the waste feed which would lead to unwanted shutdowns and start-ups of the shredder.
- The crushing of waste gas cylinders is not permitted on site, unless an appropriate method is submitted to and approved by the Competent Authority.
- The sale of dismantled second-hand parts from ELVs processed at this facility is strictly prohibited.
- The Permit Holder shall ensure that the fire safety condition submitted as part of PA 2453/10 is adhered to, the evacuation routes are kept clear and the fire extinguishers are kept accessible at all times. ∞
- The fire water reservoir shall be maintained full at all times.∞
- The Permit Holder shall maintain a deflagration reduction programme (approved Document: IP 0005/20/DOC7) according to the following requirements:
  - i. designed to identify the source(s), and to implement measures to prevent deflagration occurrences;
  - ii. a review of historical deflagration incidents and remedies and the dissemination of deflagration knowledge;
  - iii. a protocol for response to deflagration incidents.

- The Permit Holder shall promptly inform the Radiation Protection Commission Secretariat if the measurements show the presence of any contaminated material or radioactive source at the facility. This includes any material rejected due to exceeding of thresholds. Any contaminated material or radioactive source shall not be used, placed on the market, transported or disposed of without the involvement of the Secretariat.
- Waste acceptance conditions in relation to potentially radioactive material.
- The Permit Holder shall maintain an Energy Efficiency Plan in line with BAT 23 of the Waste Treatment BAT Conclusions under Directive 2010/75/EU as transposed through S.L. 549.77
- The fuel tanks shall be constructed as per recommendations by a REWS competent person and comply with relevant REWS standards. ∞
- The Permit holder shall ensure that all work activities falling under one's responsibilities are covered by a suitable, sufficient and systematic risk assessment carried out as per LN 36 / 2003 and other relevant OHS regulations. Without prejudice to the legal obligations of an employer, this risk assessment shall, *inter alia*, refer to:
  - (i) The measures to be taken against risks from manual handling of loads as per LN 35 / 2003;
  - (ii) Protection against exposure to chemical agents at work as per LN 227 / 2003 including, but not limited to measures against inhalable dusts and metals;
  - (iii) The measures to protect workers from risks from exposure to the sun;
  - (iv) The required emergency prevention, preparedness and response arrangements including first aid and firefighting measures;
  - (v) Protection against physical agents at work including but not limited to risks from noise and vibration;
  - (vi) Traffic management;
  - (vii) Protection of workers from risks of electrocution as required by LN 44 of 2002;
  - (viii) Personal protective clothing / equipment to be used by workers
  - (ix) Suitable welfare facilities to be made available for staff;
  - (x) The required health and, or safety signs and;
  - (xi) Training and competence of workers to perform the assigned tasks;

This risk assessment shall also make reference to the necessary health surveillance that is required wherever there is revealed an identifiable occupational disease or adverse health condition related to the work involved OR the likelihood that a disease or condition may occur under the particular conditions of work, as per LN 36 / 2003 and other applicable OHS regulations.

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- All work equipment complies with the relevant provisions of LN 293 / 2016, including where applicable, by ensuring that work equipment is duly examined by a competent person and a report of such examination is kept by the employer and (where applicable) also sent to OHSa and; Any intended construction related works comply with the relevant provisions of LN 88 / 2018. ∞
- Any cesspits shall only be emptied by an ERA-permitted waste carrier service provider. The Permit Holder shall make use of any cesspit cleaning booking system present at the time as required by the Water Services Corporation. ∞
- The Permit Holder shall maintain a noise management plan in line with BAT 22 Commission Implementing Decision (EU) 2018/11747 on waste treatment which shall be revised at a minimum every three years.
- The Permit Holder shall use BAT so as to prevent or where that is not practicable to reduce emissions of noise and vibration from the Permitted Installation, in particular by:
  - i. Equipment maintenance, e.g. circulating pumps, extraction fans, compressors.
  - ii. Use and maintenance of appropriate attenuation, eg. silencers, barriers, enclosures;
  - iii. appropriate timing and location of noisy activities and vehicle movements;
  - iv. periodic checking of noise emissions, either qualitatively or quantitatively;
  - v. mounting any equipment or machinery which may cause substantial vibrations on rubber mountings or other specialized vibration reduction mountings in order to reduce vibration impacts; and
  - vi. Maintenance of building fabric.
  - vii. Techniques as described in BAT 18 of the commission implementing decision (EU) 2018/11747 on waste treatment
- List of waste streams and dedicated storage areas/processing operations that can be handled on site as follows:

Incoming waste		Maximum Site Capacity
EWC code	Description	
15 01 04	Metallic packaging	6 tonnes
16 01 03	End-of-life tyres	15 tonnes
16 01 04*	End-of-life vehicles	100
16 01 06	End-of-life vehicles, containing neither liquids nor other hazardous components	100
16 01 17	Ferrous metal (car parts)	6 tonnes
16 01 18	Non-ferrous metal (car parts)	200 tonnes

16 01 22	Components not otherwise specified	25 tonnes
16 02 14	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13	25 tonnes
17 04 01	Copper, bronze, brass	200 tonnes
16 06 01*	Lead batteries	400
16 06 05	Other batteries and accumulators	200
17 04 02	Aluminium	200 tonnes
17 04 03	Lead	200 tonnes
17 04 04	Zinc	200 tonnes
17 04 05	Iron and steel	6000 tonnes
17 04 06	Tin	200 tonnes
17 04 07	Mixed metals	200 tonnes
17 04 10*	Cables containing oil, coal tar and other hazardous substances	25 tonnes
17 04 11	Cables containing oil, coal tar and other hazardous substances	25 tonnes
19 01 02	Ferrous materials from bottom ash	3000 tonnes
19 10 01	Iron and steel waste	6 tonnes
19 10 02	Non-ferrous waste	200 tonnes
19 12 02	Ferrous metal	6 tonnes
19 12 03	Non-ferrous metal	200 tonnes
19 12 04	Rubber	1 tonnes
20 01 40	Metals	6 tonnes

Outgoing waste		Maximum Site Capacity
EWC code	Description	
13 02 04*	Mineral-based chlorinated engine, gear and lubricating oils	2000 ltr
13 02 06*	Synthetic engine, gear and lubricating oils	2000 ltr
13 02 04*	Engine, gear, lubricating oils	2000 ltr
13 05 01	Solids from grit chambers and oil/water separators	1525 ltr total capacity
13 05 02*	Sludges from oil/water separators	
13 05 08*	Mixtures of wastes from grit chambers and oil/water separators	
13 07 03*	Other fuels (including mixtures)	
15 02 02*	Absorbents, oil filters	100



16 01 03	End-of-life tyres	15 tonnes
16 01 06	End-of-life vehicles, containing neither liquids nor other hazardous components	100
16 01 07*	Oil filters	100
16 01 08*	Components containing mercury	Few (not quantified)
16 01 09*	Components containing PCBs	Few (not quantified)
16 01 10*	Explosive components (for example airbags)	Few (not quantified)
16 01 11*	Brake pads containing asbestos	Few (not quantified)
16 01 12	Brake pads other than those mentioned in 16 01 11	Few (not quantified)
16 01 13*	Brake fluids	2000 ltr
16 01 14*	Antifreeze fluids containing dangerous substances	1000ltr
16 01 15	Antifreeze fluids other than those mentioned in 16 01 14	1000ltr
16 01 17	Ferrous metal	6 tonnes
16 01 18	Non-ferrous metal	200 tonnes
16 01 19	Plastic	1500kg
16 01 20	Glass	2000kg
16 01 21*	Hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14 (referring only to spent catalytic converters)	1 tonne
16 01 22	Components not otherwise specified (referring only to spent catalytic converters that do not contain refractory ceramic fibres (RCF))	25 tonnes
16 01 99	Upholstery	20 tonnes
16 02 11*	Discarded equipment containing chlorofluorocarbons, HCFC, HFC arising from vehicles	Few (not quantified)
16 02 13*	Discarded equipment arising from vehicles containing hazardous components other than those mentioned in 16 02 09 to 16 02 12	Few (not quantified)
16 02 14	Discarded equipment arising from vehicles other than those mentioned in 16 02 09 to 16 02 13	1000kg

16 02 15*	Hazardous components arising from vehicles removed from discarded equipment	Few (not quantified)
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15*	Few (not quantified)
16 06 01*	Lead batteries	400
16 06 05	Other batteries and accumulators	200
15 01 04	Metallic packaging	6 tonnes
16 06 01	Lead batteries	400
16 08 01	Spent catalysts containing gold, silver, rhodium, palladium, iridium or platinum (except 16 08 07)	1 tonne
16 10 02	Aqueous liquid wastes other than those mentioned in 16 10 01	15 m <sup>3</sup>
17 04 01	Copper, bronze, brass	200 tonnes
17 04 02	Aluminium	200 tonnes
17 04 03	Lead	200 tonnes
17 04 04	Zinc	200 tonnes
17 04 05	Iron and steel	6000 tonnes
17 04 06	Tin	200 tonnes
17 04 07	Mixed metals	200 tonnes
17 04 10*	Cables containing oil, coal tar and other hazardous substances	25 tonnes
17 04 11	Cables containing oil, coal tar and other hazardous substances	25 tonnes
19 01 02	Ferrous materials from bottom ash	3000 tonnes
19 10 01	Iron and steel waste	6000 tonnes
19 10 02	Non-ferrous waste	200 tonnes
19 12 02	Ferrous metal	6000 tonnes
19 12 03	Non-ferrous metal	200 tonnes
19 12 04	Rubber	1 tonne
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of waste other than those mentioned in 19 12 11	60 tonnes

20 01 40	Metals	6000 tonnes
20 03 01	Mixed municipal waste	2 bags
20 03 07	Bulky waste	60 tonnes
20 01 01	Paper and cardboard	5-10 bags
20 01 08	Biodegradable kitchen and canteen waste	
20 01 39	Plastics	

- Improvement programme items:

Reference	Requirement	Deadline
14 <sup>∞</sup>	Attainment of the required REWS Authorisation.	Within four months of the granting of this permit.
24	Submission of a noise management plan in line with BAT 17 of commission implementing decision (EU) 2018/11747 on waste treatment.	With 3 months from the granting of the permit
25	Implementation of enclosure in line with development consent permit and any subsequent amendment	Within 12 months from the granting of the permit
26	<p>a) Submission of a method statement showing how the monitoring requirements for air emissions permitted in Table 2.2.4 will be sampled and tested.</p> <p>b) Submission of monitoring results for PS5</p>	<p>a) Within six months from the granting of the permit</p> <p>b) In accordance with timeframe in condition 2.2.7</p>